

CLAIMS

1. A strut sliding bearing comprising:
an upper casing made of a synthetic resin and having an annular lower surface;
a lower casing which is made of a synthetic resin, is superposed on said upper casing so as to be rotatable about an axis of said upper casing, and has an annular upper surface opposed to the annular lower surface of said upper casing; and
an annular thrust sliding bearing piece which is made of a synthetic resin, and is interposed between the annular lower surface and the annular upper surface,
wherein said lower casing has on a lower surface thereof a spring seat surface for a suspension coil spring.
2. The strut sliding bearing according to claim 1, further comprising: a tubular radial sliding bearing piece,
wherein said upper casing includes an upper annular portion on which the annular lower surface is formed and a cylindrical portion extended integrally downward from a radially inner peripheral edge or outer peripheral edge of the upper annular portion and having a cylindrical side surface, said lower casing having a cylindrical side surface opposed to the cylindrical side surface, said radial sliding bearing piece being interposed between the cylindrical side surface of the cylindrical portion of said upper casing and the cylindrical side surface of said lower casing.
3. The strut sliding bearing according to claim 1 or 2, wherein said lower casing includes an inner peripheral-side cylindrical projecting portion integrally projecting upward from the annular upper surface on a radially inner peripheral side and an outer peripheral-side cylindrical projecting portion integrally projecting upward from the annular upper surface on a radially outer peripheral side, said thrust sliding bearing

piece being disposed between the inner peripheral-side cylindrical projecting portion and the outer peripheral-side cylindrical projecting portion.

4. The strut sliding bearing according to any one of claims 1 to 3, wherein said upper casing includes an inner peripheral-side cylindrical suspended portion integrally suspended downward from the annular lower surface on the radially inner peripheral side and an outer peripheral-side cylindrical suspended portion integrally suspended downward from the annular lower surface on a radially outer peripheral side, said thrust sliding bearing piece being disposed between the inner peripheral-side cylindrical suspended portion and the outer peripheral-side cylindrical suspended portion.

5. The strut sliding bearing according to any one of claims 1 to 4, wherein said lower casing includes an annular base portion; an upper cylindrical portion which is integrally formed on an upper surface of the annular base portion and on which the annular upper surface is formed; and a lower cylindrical portion formed integrally on a lower surface of the annular base portion, the lower surface of the annular base portion on a radially outer side of the lower cylindrical portion serving as the spring seat surface.

6. The strut sliding bearing according to claim 1, wherein said upper casing includes an upper annular portion on which the annular lower surface is formed and a cylindrical portion extended integrally downward from a radially outer peripheral edge of the upper annular portion, and said lower casing includes an annular base portion, an upper cylindrical portion which is integrally formed on a radially substantially central portion of an upper surface of the annular base portion and on which the annular upper surface is formed, and a lower cylindrical portion formed integrally on a lower surface of the annular base portion, the upper cylindrical portion being surrounded by the cylindrical portion of said upper casing, a lower surface of the annular base portion on a

radially outer side of the lower cylindrical portion serving as the spring seat surface.

7. The strut sliding bearing according to claim 6, further comprising: a tubular radial sliding bearing piece,

wherein the upper cylindrical portion of said lower casing has a cylindrical side surface opposed to a cylindrical side surface of the cylindrical portion of said upper casing, said radial sliding bearing piece being interposed between the cylindrical side surface of the cylindrical portion of said upper casing and the cylindrical side surface of the upper cylindrical portion of said lower casing.

8. The strut sliding bearing according to claim 2 or 7, wherein said radial sliding bearing piece is formed of a synthetic resin including at least one of polyacetal resin, polyamide resin, thermoplastic polyester resin, polyolefin resin, and fluororesin.

9. The strut sliding bearing according to any one of claims 1 to 8, wherein said upper casing is adapted to be resiliently fitted and secured to said lower casing.

10. The strut sliding bearing according to any one of claims 1 to 9, wherein said upper casing is formed of a synthetic resin including at least one of polyacetal resin, polyamide resin, thermoplastic polyester resin, polyolefin resin, polycarbonate resin, and fluororesin.

11. The strut sliding bearing according to any one of claims 1 to 10, wherein said thrust sliding bearing piece is formed of a synthetic resin including at least one of polyacetal resin, polyamide resin, thermoplastic polyester resin, polyolefin resin, and fluororesin.

12. The strut sliding bearing according to any one of claims 1 to 11, wherein said lower casing is formed of a reinforced synthetic resin comprising a synthetic resin, including at least one of polyacetal resin, polyamide resin, and polypropylene resin, and reinforcing fibers contained in the synthetic resin.

13. The strut sliding bearing according to any one of claims 1 to 12 for use in a strut-type suspension in a four-wheeled motor vehicle.

14. A strut-type suspension structure in a four-wheeled motor vehicle, comprising: the strut sliding bearing according to any one of claims 1 to 12 and a suspension coil spring seated at one end thereof on a spring seat surface of said lower casing.